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5

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<141> 2000-09-28

<150> US 60/156,510

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B
Page 1-54

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 Glu Val Val Phe Asn Tyr Pro Thr Arg Pro Asp Ile Pro Val Leu Gln
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 Met Asp Pro Glu Gly Gly Arg Lys Gly Ser Ala Glu Lys Asn
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 Phe Trp Lys Met Gly Lys Lys Ser Lys Lys Glu Lys Lys Glu Lys Lys
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 Pro Thr Val Ser Thr Phe Ala Met Phe Arg Tyr Ser Asn Trp Leu Asp
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 Arg Leu Tyr Met Leu Val Gly Thr Met Ala Ala Ile Ile His Gly Ala
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 Ala Asn Ala Gly Ile Ser Arg Asn Lys Thr Phe Pro Val Ile Ile Asn
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 Glu Ser Ile Thr Asn Asn Thr Gln His Phe Ile Asn His Leu Glu Glu
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 Glu Met Thr Thr Tyr Ala Tyr Tyr Tyr Ser Gly Ile Gly Ala Gly Val
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 Arg Gln Ile Leu Lys Ile Arg Lys Gln Phe Phe His Ala Ile Met Arg
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	Ser Leu Gln Val Pro Tyr Arg Asn Ser Leu Arg Lys Ala His Ile Phe	
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 Lys Ile Ile Asp Asn Lys Pro Ser Ile Asp Ser Tyr Ser Lys Ser Gly
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	Ala	Ala	Gly	Arg	Gln	Ile	Leu	Lys	Ile	Arg	Lys	Gln	Phe	Phe	His	Ala	
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	aaa	aat	gtt	cac	ttc	agt	tac	cct	tct	cga	aaa	gaa	gtt	aag	atc	tta	1252
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	Val Arg His Leu Arg Glu Ile Thr Gly Val Val Ser Gln Glu Pro Val					
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		675		680		685
40	Asp Leu Asn Glu Asn Val Pro Pro Val Ser Phe Trp Arg Ile Leu Lys					
		690		695		700
	Leu Asn Ser Thr Glu Trp Pro Tyr Phe Val Val Gly Ile Phe Cys Ala					
		705		710		715
	Ile Ile Asn Gly Gly Leu Gln Pro Ala Phe Ser Ile Ile Phe Ser Arg					
45			725		730	735
	Ile Ile Gly Ile Phe Thr Arg Asp Glu Asp Pro Glu Thr Lys Arg Gln					
		740		745		750
	Asn Ser Asn Met Phe Ser Val Leu Phe Leu Val Leu Gly Ile Ile Ser					
		755		760		765
50	Phe Ile Thr Phe Phe Leu Gln Gly Phe Thr Phe Gly Lys Ala Gly Glu					
		770		775		780
	Ile Leu Thr Lys Arg Leu Arg Tyr Met Val Phe Arg Ser Met Leu Arg					
		785		790		795
	Gln Asp Val Ser Trp Phe Asp Asp Pro Lys Asn Thr Thr Gly Ala Leu					
55			805		810	815
	Thr Thr Arg Leu Ala Asn Asp Ala Ala Gln Val Lys Gly Ala Ile Gly					
		820		825		830
	Ser Arg Leu Ala Val Ile Thr Gln Asn Ile Ala Asn Leu Gly Thr Gly					
		835		840		845
60	Ile Ile Ile Ser Leu Ile Tyr Gly Trp Gln Leu Thr Leu Leu Leu Leu					

	850		855		860	
	Ala Ile Val Pro Ile Ile	Ala Ile Ala Gly Val Glu Met Lys Met				
	865	870	875		880	
5	Leu Ser Gly Gln Ala Leu Lys Asp Lys Lys Glu Leu Glu Gly Ala Gly					
	885	890		895		
	Lys Ile Ala Thr Glu Ala Ile Glu Asn Phe Arg Thr Val Val Ser Leu					
	900	905		910		
	Thr Arg Glu Gln Lys Phe Glu Tyr Met Tyr Ala Gln Ser Leu Gln Val					
	915	920		925		
10	Pro Tyr Arg Asn Ser Leu Arg Lys Ala His Ile Phe Gly Val Ser Phe					
	930	935		940		
	Ser Ile Thr Gln Ala Met Met Tyr Phe Ser Tyr Ala Gly Cys Phe Arg					
	945	950		955		960
	Phe Gly Ala Tyr Leu Val Ala Asn Glu Phe Met Asn Phe Gln Asp Val					
15	965	970		975		
	Leu Leu Val Phe Ser Ala Ile Val Phe Gly Ala Met Ala Val Gly Gln					
	980	985		990		
	Val Ser Ser Phe Ala Pro Asp Tyr Ala Lys Ala Lys Val Ser Ala Ala					
	995	1000		1005		
20	His Val Ile Met Ile Ile Glu Lys Ser Pro Leu Ile Asp Ser Tyr Ser					
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	Pro His Gly Leu Lys Pro Asn Thr Leu Glu Gly Asn Val Thr Phe Asn					
	1025	1030		1035		1040
	Glu Val Val Phe Asn Tyr Pro Thr Arg Pro Asp Ile Pro Val Leu Gln					
25	1045	1050		1055		
	Gly Leu Ser Leu Glu Val Lys Lys Gly Gln Thr Leu Ala Leu Val Gly					
	1060	1065		1070		
	Ser Ser Gly Cys Gly Lys Ser Thr Val Val Gln Leu Leu Glu Arg Phe					
	1075	1080		1085		
30	Tyr Asp Pro Leu Ala Gly Ser Val Leu Ile Asp Gly Lys Glu Ile Lys					
	1090	1095		1100		
	His Leu Asn Val Gln Trp Leu Arg Ala His Leu Gly Ile Val Ser Gln					
	1105	1110		1115		1120
	Glu Pro Ile Leu Phe Asp Cys Ser Ile Ala Glu Asn Ile Ala Tyr Gly					
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	Asp Asn Ser Arg Val Val Ser His Glu Glu Ile Val Gln Ala Ala Lys					
	1140	1145		1150		
	Glu Ala Asn Ile His His Phe Ile Glu Thr Leu Pro Glu Lys Tyr Asn					
	1155	1160		1165		
40	Thr Arg Val Gly Asp Lys Gly Thr Gln Leu Ser Gly Gly Gln Lys Gln					
	1170	1175		1180		
	Arg Ile Ala Ile Ala Arg Ala Leu Val Arg Gln Pro His Ile Leu Leu					
	1185	1190		1195		1200
	Leu Asp Glu Ala Thr Ser Ala Leu Asp Thr Glu Ser Glu Lys Val Val					
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	Gln Glu Ala Leu Asp Lys Ala Arg Glu Gly Arg Thr Cys Ile Val Ile					
	1220	1225		1230		
	Ala His Arg Leu Ser Thr Ile Gln Asn Ala Asp Leu Ile Val Val Phe					
	1235	1240		1245		
50	Gln Asn Gly Lys Val Lys Glu His Gly Thr His Gln Gln Leu Leu Ala					
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